## (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 9 June 2005 (09.06.2005)

**PCT** 

## (10) International Publication Number WO 2005/052930 A1

(51) International Patent Classification<sup>7</sup>: H01L 31/0203

G11B 7/13,

(21) International Application Number:

PCT/EP2004/053098

(22) International Filing Date:

25 November 2004 (25.11.2004)

(25) Filing Language:

English

(26) Publication Language:

**English** 

(30) Priority Data: 03/50936

28 November 2003 (28.11.2003) I

(71) Applicant (for all designated States except US): THOM-SON LICENSING S.A. [FR/FR]; 46 Quai Alphonse Le Gallo, F-92100 Boulogne-Billancourt (FR).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): DE OLIVEIRA, Graciano [—/FR]; 29 rue Lafayette, F-21000 Dijon (FR). BOUCHER, Rodrigue [—/FR]; 34 Chemin des Lentillières, F-21000 Dijon (FR). SAILLIO, Hervé [—/FR]; 14 impasse Philippe de Commynes, F-21000 Dijon (FR).
- (74) Agent: KOHRS, Martin; Thomson, 46 Quai Alphonse Le Gallo, F-92648 Boulogne Cedex (FR).

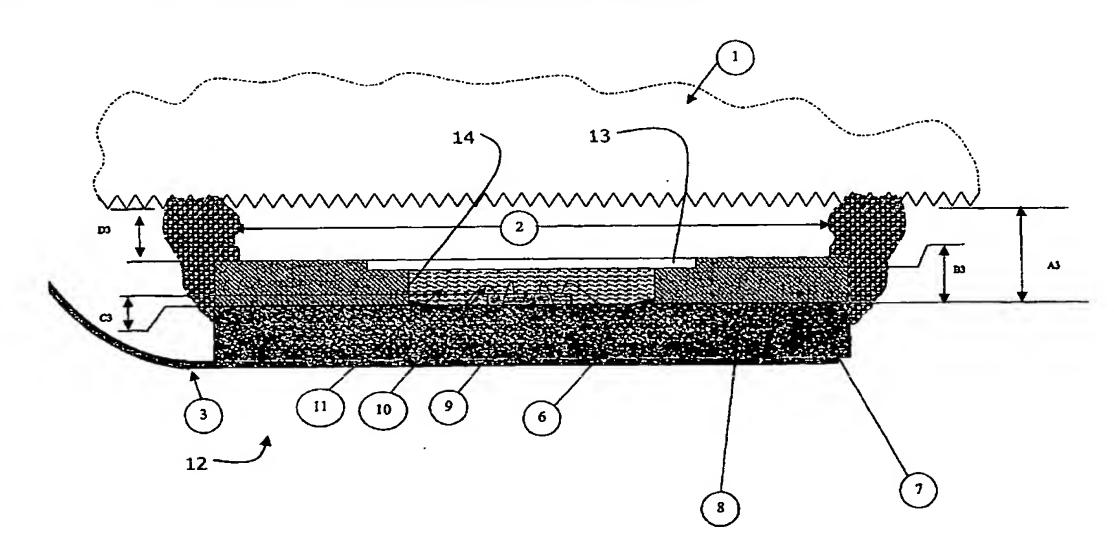
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF PRODUCING A PHOTOELECTRIC TRANSDUCER AND OPTICAL PICK UP



(57) Abstract: A photoelectric transducer (12) comprises a board (8), which carries at least an optical sensor (9) on one face, and a spacer (7) defining a recess that houses the optical sensor (9). The recess is at least partly filled with an optical glue (11). To mount the transducer (12) in an optical pick up for an optical disc, the spacer (7) is fastened to an optical body (1) of the pick up.